INDIRECT PROGRAMMING OF DETECTOR
FRAMING NODE

ABSTRACT OF THE DISCLOSURE

A real time imaging system includes a programmable detector framing node controlling generation of radiation and controlling radioscopic image detection. Radioscopic image data is acquired and communicated by the detector framing node independently of a host computer operating system. The detector framing node controls events in real time according to an event instruction sequence and communicates the received radioscopic image data to host memory through a computer communication bus. The image data is received from a selected flat panel detector of a plurality of different flat panel detectors. The detector framing node is programmable by way of a pair of JTAG loops. The JTAG loops receive programming instructions from the host computer and from a pair of JTAG ports.